

## **CLAIMS**

1. A peak detector for detecting a peak signal, comprising:  
an input circuit to input an input signal;  
5 a track and hold circuit to hold said input signal and to output said peak signal;  
a comparator to compare said input signal and said peak signal to generate a  
clock signal;  
said track and hold circuit to output said peak signal in accordance with said  
clock signal.

2. A peak detector for detecting a peak signal as in Claim 1, wherein said  
peak detector includes a capacitor to hold said peak signal.